

**Abstract**

A process for the production of L-lysine, in which the following steps are carried out:

- 5 a) fermentation of the L-lysine producing coryneform bacteria that are at least resistant to diaminopimelic acid analogues, in particular 4-hydroxydiaminopimelic acid;
- b) enrichment of the L-lysine in the medium or in the bacterial cells; and optionally
- 10 c) isolation of the L-lysine or L-lysine-containing feedstuffs additive from the fermentation broth, so that  $\geq 0$  to 100% of the constituents from the fermentation broth and/or from the biomass are present,
- 15 and optionally bacteria are used in which in addition further genes of the biosynthesis pathway of L-lysine are enhanced, or bacteria are used in which the metabolic pathways that reduce the formation of L-lysine are at least partially switched off.